	Application No.	Applicant(s)
Notice of Allowability	09/608,507	PALANCA ET AL.
	Examiner	Art Unit
	Tuan V. Thai	2186
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to 6/8/04.		
2. The allowed claim(s) is/are 1-16 renumbered as 1-8,10,9 a	<u>nd 11-16</u> .	
3. The drawings filed on <u>30 June 2000</u> are accepted by the Examiner.		
4. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply ENT of this application.	complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date ldentifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	on's Patent Drawing Review (PTO- s Amendment / Comment or in the C	office action of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amendr	e nent/Comment
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material BEST AVAILABLE CO	9. ☐ Other	MANYAN TUAN V. THA RIMARY EXAMINER

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Attorney's Docket No.: 042390.P8918

IN THE UNITED STATES PATENT AND

TRADEMARK OFFICE

In re application of: Palanca et al. Group: 2186

Serial No.: 09/608,507 Examiner: Tuan Thai

For: METHOD AND APPARATUS FOR CACHE REPLACEMENT FOR A
MULTIPLE VARIABLE-WAY ASSOCIATIVE CACHE.

1. This action is responsive to communication filed on 06/08/2004. Claims 1-16 are now allowed.

REASONS FOR ALLOWANCE

2. The following is an Examiner's Statement of Reasons for Allowance:

The prior art of record does not teach or suggest, alone or in combination, all the limitations of the independent claims of the current invention (claims 1, 7 and 11), particularly method and apparatus for dynamically partitioning a N-way set associative cache array in a sharing mode at a first time based upon requests for memory from an integrated device with multi processors, the integrated circuit includes a graphics processor and a central processing unit, and dynamically un-partitioning the N-way set associative cache array not in the sharing mode at

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a second time. In light of the foregoing, claims 1, 7 and 11 of the present application is found to be patentable over the prior arts.

Claims 2-6, 8-10 and 12-16 further limit the allowable independent claims 1, 7 and 11. These claims are therefore allowable for the same reason as set forth above.

Any comments considered necessary by Applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan V. Thai whose telephone number is (703) 305-3842. The examiner can normally be reached on from 6:30 A.M. to 4:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew M. Kim can be reached on (703) -305-3821. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status

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information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TVT/August 07, 2004

PRIMARY EXAMINER

Group 2100

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